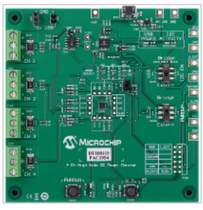

Part Number: DT100119

PAC1954 4 CH HIGH SIDE DC POWER MONITOR ☆

- 4 high side measurement channels with 4mOhm shunts routed with Kelvin connection
- I2C to USB bridge on board
- Demo square wave current generator on board
- Test header to measure the PAC1954 power consumption
- Test points on all pins of the PAC1954

Read More

In Stock : 201 (Processes Immediately)
When can I get more?

Quantity: 1

Buy Now

Overview

This board enables easy connection of the PAC1954 to power sources and loads for power monitoring and energy metering using on board 4mOhm high side current sensing resistors. It has USB connection to PC and a GUI to display the data, as well as options to disconnect the PC and communicate directly with a different host controller. Measurement channels 1,2 and 3 are pre-populated to show demo currents and they can be switched to the external input sense resistors by moving two 0 Ohm resistors on each channel.

All Application Notes

Documentation

Title		
DT100119 PAC1954 4 Ch High Side DC Power Monitor Schematics	Download	☆
DT100119 PAC1954 4 Ch High Side DC Power Monitor GERBERS	Download	☆
DT100119 PAC1954 4 Ch High Side DC Power Monitor BOM	Download	☆
DT100119_EV40S84A-R3_Design_Files	Download	☆
DT100119 - DevTools Project Outputs	Download	☆

Software

Title		Date
PAC194x/5x Python Library and Application (V1.1.0)	Download	20 Jan 2023
PAC194x/PAC195x Demo Application (v1.0.2.5)	Download	20 Jun 2023

Conformity Documents

Title	
Declaration of Conformity [DT100119]	Download
EU REACH No SVHCs Listed [DT100119]	Download

Silicon Products

Product	Title
PAC1954	4 Ch, 16-bit, 32V Power Monitor, 2 alert, I2C

Microchip Technology Inc.
2355 West Chandler Blvd.
Chandler, Arizona, USA